

"Express Mail" mailing label number EV 192785778 US

PATENT  
Docket No. H 5115 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RE: Stephan, et al.  
International Application No.: PCT/EP02/00826  
International Application Filing Date: January 26, 2002  
Serial No.: To be assigned  
Filing Date: To be assigned  
Title: ELECTROCHEMICAL PRODUCTION OF NANOSCALE METAL  
(MIXED) OXIDES

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Under 37 C.F.R. §§ 1.56 and 1.97(b) applicants disclose to the Examiner the documents listed on the attached IDC form PTO-1449; a copy of each document is enclosed. Applicants respectfully ask the Examiner to consider each document and note that consideration where provided on the IDC. The relevance of the non-English references is explained in the specification.

This Statement does not represent that a search was made or that no better art exists and does not constitute an admission that the listed documents are material or constitute prior art. Therefore applicants reserve the right to present to the Examiner the relevant facts and law regarding the status of each listed document. Applicants further reserve the right to take appropriate action to establish patentability of the claimed invention over the listed documents, should any be applied against the claims.

This statement is being filed within three months of the filing of this application, and therefore no fee for submitting this IDS is believed to be due. However, the Assistant

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Commissioner is hereby authorized to charge Deposit Account No. 01-1250 if any fee under 37 C.F.R. 1.17 is needed to have this statement entered and the references considered by the Patent and Trademark Office.

Respectfully submitted,

  
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Enclosures

1. IDC w/references
2. International Search Report

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO				<b>Complete if Known</b>	
				Application Number	To be assigned
				Filing Date	To be assigned
				First Named Inventor	Stephan et al.
				Art Unit	To be assigned
				Examiner Name	To be assigned
Sheet	1	of	1	Attorney Docket Number	H 5115 PCT/US

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,286,354	02/15/1994	Bard et al.	
		US-5,116,468	05/26/1992	Giersberg et al.	
		US-4,067,788	01/10/1978	Solomon	
		US-5,620,584	04/15/1997	Reetz et al.	

<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Country	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		DE 198 40 842 A1	03/09/2000	Germany	
		DE 44 43 392 A1	06/13/1996	Germany (US5620584)	
		EP 0 672 765 A1	03/04/1995	Europe (US5620584)	
		DE 44 08 512 A1	09/21/1995	Germany (US5620584)	

<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue Number(s), publisher, city and/or country where published.			
		Zotti et al., "Anodic dissolution of titanium in acetonitrile to Ti(IV) perchlorate and subsequent reductive electrodeposition of amorphous TiO <sub>2</sub> films", Journal of the Electrochemical Society, Database Accession No. EIX99224611552, XP002206852 (1999)			
		Pascal et al., "Electrochemical Synthesis for the control of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Nanoparticle Size. Morphology, Microstructure, and Magnetic Behavior, Chem. Mater., Vol. 11, pgs. 141-147 (1999)			
		Nyffenegger et al., "A Hybrid Electrochemical/Chemical Synthesis of Zinc Oxide Nanoparticles and Optically Intrinsic Thin Films", Chem. Mater., Vol. 10, pgs. 1120-1129 (1998)			
		Reddy et al., "Preparation and Characterization of Cobalt Oxide Nanosized Particles Obtained By an Electrochemical Method", NanoStructured Materials, Vol. 12, pgs. 61-64 (1999)			
		Mahamuni et al., "Spectroscopic and Structural Characterization of Electrochemically Grown ZnO Quantum Dots", Journal of Applied Physics, Vol. 85, No. 5, pgs. 2861-2864 (1999)			

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

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